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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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EXAMINER	
AMINZAY, SHAIMA Q	
ART UNIT	**PAPER NUMBER**
2684	

DATE MAILED: 01/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/082,357	HOTAKAINEN ET AL.	
	Examiner	Art Unit	
	Shaima Q. Aminzay	2684	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *15 September 2005*.

2a)☐ This action is **FINAL**. 2b)☒ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1-16* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) *9-16* is/are allowed.

6)☒ Claim(s) *1,6-8 and 17* is/are rejected.

7)☒ Claim(s) *2-5* is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☐ The drawing(s) filed on _____ is/are: a)☐ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☒ All b)☐ Some * c)☐ None of:

1.☐ Certified copies of the priority documents have been received.

2.☐ Certified copies of the priority documents have been received in Application No. _____.

3.☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____ .
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

DETAILED ACTION

Response to Argument

1. Applicant's arguments filed on September 15, 2005 have been fully considered, arguments with respect to claims 1-16 are **moot** in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. Claims 1, 6-8, and 17 are rejected under 35 U.S.C.103(a) as being unpatentable over Emery (Emery et al. U. S. Patent 5,727,057) in view of Sin (Sin U. S. Patent 5,153,876).

Regarding claim 1, Emery discloses a method for processing location information in an intelligent network system connected to a telecommunication system *(see for example, Figures 1-3, Abstract, lines 8-22, column 1, lines 10-33, column 3, lines 25-32, column 4, lines 12-67 continued to column 5, lines 1-21, the intelligent network system connection to a telecommunication system and processing location/identification information)*, especially to a mobile

communication system *(see for example, Figures 1-3, Abstract, lines 8-22, column 1, lines 10-33, column 3, lines 25-32, column 4, lines 12-67 continued to column 5, lines 1-21)*, the location information being composed of digits *(see for example, Figures 1-2, column 4, lines 12-67 continued to column 5, lines 1-21, the digits that contains the location information)*, and being in a form suitable for the intelligent network system *(see for example, column 3, lines 25-32, column 4, lines 12-67 continued to column 5, lines 1-21, the encrypted digits that that are suitable for the intelligent network)*, the method comprising maintaining predetermined commands for processing location information *(see for example, column 6, lines 4-26, lines 56-67 continued to column 7, lines 1-24, maintaining "keep alive" (predetermined commands) to process the location information)*, obtaining location information *(see for example, column 4, lines 12-24, lines 32-67, column 6, lines 4-26, lines 56-67 continued to column 7, lines 1-24, collecting location information)*, *[attaching a symbol to]* each digit of the obtained location information to indicate the relevance of said digit to the processing purpose *(see for example, column 6, lines 4-26, lines 56-67 continued to column 7, lines 1-24, column 11, lines 30-45, column 14, lines 3-14, column 15, lines 24-36, lines 47-62, column 16, lines 41-50, column 18, lines 13-28)*, and processing at least one digit of the obtained location information indicated to be relevant according to the predefined commands *(see for example, column 6, lines 4-26, lines 56-67 continued to column 7, lines 1-24, column 11, lines 30-45, column 14, lines 3-14, column 15, lines 24-36, lines 47-62, column 16, lines 41-50, column 18, lines 13-*

28, processing digits and obtaining location information).

Emery does not specifically attaching symbol to each digit, however, Emery teaches bit encoding and encrypting location information *(see for example, column 4, lines 12-24, lines 32-67).*

In a related art dealing with processing location information in a communication network *(see for example, Figures 1, 3A-3B, column 1, lines 11-39, column 2, lines 50-63, column, lines 1-3, and lines 6-7),* Sin teaches attaching symbol to each digit *(see for example, Figures 1, 3A-3B, column 1, lines 11-39, column 2, lines 50-63, column, lines 1-3, and lines 6-7, column 6, lines 18-44).*

It would have been obvious to one of ordinary skill in the art at the time invention was made to include Sin's digit masking (attaching symbol) with Emery's processing location information in an intelligent network system to provide a network that "extend the state-of-the-art by combining the ubiquitous Telephone ID with the ubiquitous location ID", "providing access and update methods to them and, therefore, to any other relatable data" *(Emery, column 1, lines 27-33),* and to provide the capability of determining various locations of the devices *(Sin, for example, column 2, lines 1-4, lines 22-23).*

Regarding claim 17, Emery discloses a network element for an intelligent network system linked to a telecommunication system *(see for example, Figures 1-3, Abstract, lines 8-22, column 1, lines 10-33, column 3, lines 25-32, column 4,*

lines 12-67 continued to column 5, lines 1-21, the intelligent network system connection to a telecommunication system and processing location/identification information), wherein location information composed of digits is transmitted between said intelligent network system and said telecommunication system *(see for example, Figures 1-2, column 3, lines 25-32, column 4, lines 12-67 continued to column 5, lines 1-21, the digits that contains the location information,, the encrypted digits that that are suitable for the intelligent network)*, the network element comprising: entering means for enabling entering commands for processing the location information *(see for example, Figures 1-2, column5, lines 21-28, lines 38-42, column 9, lines 15-31)*; and processing means for processing and modifying the location information into a form suitable for the intelligent network system *(see for example, column 4, lines 12-24, lines 32-67, column 6, lines 4-26, lines 56-67 continued to column 7, lines 1-24, collecting and processing the location information)* , for *[attaching a symbol to]* each digit of the location information to indicate the relevance of said digit to processing purpose *(see for example, column 6, lines 4-26, lines 56-67 continued to column 7, lines 1-24, column 11, lines 30-45, column 14, lines 3-14, column 15, lines 24-36, lines 47-62, column 16, lines 41-50, column 18, lines 13-28)*, and for processing at least one digit of the location information indicated to be relevant according to predefined commands *(see for example, column 6, lines 4-26, lines 56-67 continued to column 7, lines 1-24, column 11, lines 30-45, column 14, lines 3-14, column 15, lines 24-36, lines 47-62, column 16, lines 41-50, column 18, lines 13-*

28, processing digits and obtaining location information).

Emery does not specifically attaching symbol to each digit, however, Emery teaches bit encoding and encrypting location information *(see for example, column 4, lines 12-24, lines 32-67).*

In a related art dealing with processing location information in a communication network *(see for example, Figures 1, 3A-3B, column 1, lines 11-39, column 2, lines 50-63, column, lines 1-3, and lines 6-7),* Sin teaches attaching symbol to each digit *(see for example, Figures 1, 3A-3B, column 1, lines 11-39, column 2, lines 50-63, column, lines 1-3, and lines 6-7, column 6, lines 18-44).*

It would have been obvious to one of ordinary skill in the art at the time invention was made to include Sin's digit masking (attaching symbol) with Emery's processing location information in an intelligent network system to provide a network that "extend the state-of-the-art by combining the ubiquitous Telephone ID with the ubiquitous location ID", "providing access and update methods to them and, therefore, to any other relatable data" *(Emery, column 1, lines 27-33),* and to provide the capability of determining various locations of the devices *(Sin, for example, column 2, lines 1-4, lines 22-23).*

Regarding claim 6, Emery in view of Sin teaches all the limitations in claim 1, and further, Emery teaches wherein said telecommunication system is a GSM system and said location information is a CGI code *(see for example, column 5,*

lines 65-67 continued to column 6, lines 1-3, and lines 23-26).

Regarding claim 7, Emery in view of Sin teaches all the limitations in claim 1, and further, Emery teaches wherein said method is implemented in connection with Localized GSM Services *(see for example, column 5, lines 65-67 continued to column 6, lines 1-3, and lines 23-26).*

Regarding claim 8, Emery in view of Sin teaches all the limitations in claim 1, and further, Sin teaches wherein said symbols are presented by bits *(see for example, Figures 1, 3A-3B, column 1, lines 11-39, column 2, lines 50-63, column, lines 1-3, and lines 6-7, column 6, lines 18-44).*

Allowable Subject Matter

3. Claims 9-16 are allowed.

The prior art specifically Emery and Sin failed to render obviousness in combination or individually and failed to anticipate individually the following underlined limitations:

"An intelligent network system comprising coupling means for linking the

intelligent network system to a telecommunication system, transmission means for transmitting location information between said intelligent network system and said telecommunication system, the location information being composed of digits, processing means for processing and modifying the location information into a form suitable for the intelligent network system, entering means for an operator of the intelligent network system to enter commands for processing the location information, and storing means for storing the location information, wherein said processing means are arranged to attach a symbol to each digit of the location information to indicate the relevance of said digit to the processing purpose and process at least one digit of the location information indicated to be relevant according to predefined commands" as disclosed in independent claim 9.

For these reasons, independent claim 9 is allowed. Claims 10-16 are depend of the independent claim 9, and are allowed under the same reasons set forth in claim 9.

4. Claims 2-5 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Conclusion

The prior art made of record considered pertinent to applicant's disclosure, see PTO-892 form.

Inquiry

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shaima Q. Aminzay whose telephone number is 571-272-7874. The examiner can normally be reached on 7:00 AM -5:00 PM.
If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Nay Maung can be reached on 571-272-7882. The fax number for the organization where this application or proceeding is assigned is 571-273-8300.
Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NAY MAUNG
SUPERVISORY PATENT EXAMINER

Shaima Q. Aminzay
(Examiner)

Nay Maung
(SPE)
Art Unit 2684

January 22, 2006